```
=> d his 11-15

        (FILE 'HOME' ENTERED AT 10:28:48 ON 15 MAY 2003)

        FILE 'STNGUIDE' ENTERED AT 10:28:59 ON 15 MAY 2003

        FILE 'REGISTRY' ENTERED AT 10:37:18 ON 15 MAY 2003
L1              0 S CHPQFC(ADEFGINSV){0,1}(ADEHILMQS){0,1}(DEFHIMNPVW){0,1}(ADET)
L2              0 S HPQF(ADEFGINSV){0,1}(ADEHILMQS){0,1}(DEFHIMNPVW){0,1}(ADET)DR
L3              0 S CHPQFCSWR(ADEFGINSV){0,1}(ADEHILMQS){0,1}(DEFHIMNPVW){0,1}(AD
L4              0 S WHPQFSS(ADEFGINSV){0,1}(ADEHILMQS){0,1}(DEFHIMNPVW){0,1}(ADET
L5              0 S PCHPQFPRCY(ADEFGINSV){0,1}(ADEHILMQS){0,1}(DEFHIMNPVW){0,1}(A

=> d que 11
L1              0 SEA FILE=REGISTRY ABB=ON  PLU=ON  CHPQFC(ADEFGINSV){0,1}(ADEHIL
                MQS){0,1}(DEFHIMNPVW){0,1}(ADET)DR./SQSP


=> d que 12
L2              0 SEA FILE=REGISTRY ABB=ON  PLU=ON  HPQF(ADEFGINSV){0,1}(ADEHILMQ
                S){0,1}(DEFHIMNPVW){0,1}(ADET)DR./SQSP


=> d que 13
L3              0 SEA FILE=REGISTRY ABB=ON  PLU=ON  CHPQFCSWR(ADEFGINSV){0,1}(ADE
                HILMQS){0,1}(DEFHIMNPVW){0,1}(ADET)DR./SQSP


=> d que 14
L4              0 SEA FILE=REGISTRY ABB=ON  PLU=ON  WHPQFSS(ADEFGINSV){0,1}(ADEHI
                LMQS){0,1}(DEFHIMNPVW){0,1}(ADET)DR./SQSP


=> d que 15
L5              0 SEA FILE=REGISTRY ABB=ON  PLU=ON  PCHPQFPRCY(ADEFGINSV){0,1}(AD
                EHILMQS){0,1}(DEFHIMNPVW){0,1}(ADET)DR./SQSP
```

```
> O <
O| |O  IntelliGenetics
> O <


Quest - Quick User-directed Expression Search Tool
Release 5.4

                  -- Outline of search "pep210" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep210 (AA) ID   pep210 AA preliminary pattern
1       followed by
2          whpqfss
2          a or d or e or f or g or i or n or s or v from 0 to 1 times
2          a or d or e or h or i or l or m or q or s from 0 to 1 times
2          d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2          a or d or e or t
2          dr
2          any character


Selected data banks and files:

    Data bank : A-GeneSeq 35.2, all entries
    Data bank : Issued_AA , all entries
    Data bank : Pending_AA , all entries

                  -- Output Parameters --

Format Options:                       File Options:
  Nucleic acid code matching   Exact    Indirect file                No
  Find non-matching hits only  No       Sequence or key file         No
  Report key used              Yes      List of hits                 Yes
  Note position of hit         Yes      Hit display                  Yes
  Display full annotations     Yes      Name and annotations         Yes
  Sequence context             10


                  -- Run Parameters --

  Run mode                      Batch
    Time to start comparison    now
    Notify at end of run        No


No hits found.


                  -- Search Statistics --

Times:                    CPU                 Total Elapsed
                      02:57:52.06             03:33:36.00

Number of sequences searched:          5767276
Number of sequence hits:                     0
Number of separate matches:                  0
Number of sequence hits saved:               0
```

! FINDPATTERNS on pir:* allowing 0 mismatches

!   1
WHPQFSS(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,
D,E,T)DRX   May 14, 2003 11:53 ..

Databases searched:
       NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

     Total finds: 0
    Total length: 96,134,422
 Total sequences: 283,224
       CPU time: 02:22.38

! FINDPATTERNS on swp:* allowing 0 mismatches

!   1
WHPQFSS(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,
D,E,T)DRX   May 14, 2003 11:55 ..

Databases searched:
        SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002
        SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

        Total finds: 0
       Total length: 247,523,443
    Total sequences: 784,472
          CPU time: 06:30.40

```
> O <
O|  |O  IntelliGenetics
> O <


Quest - Quick User-directed Expression Search Tool
Release 5.4

                -- Outline of search "pep211" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep211 (AA) ID    pep211 AA preliminary pattern
1        followed by
2          pchpqfprcy
2          a or d or e or f or g or i or n or s or v from 0 to 1 times
2          a or d or e or h or i or l or m or q or s from 0 to 1 times
2          d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2          a or d or e or t
2          dr
2          any character


Selected data banks and files:

    Data bank : A-GeneSeq 35.2, all entries
    Data bank : Issued_AA , all entries
    Data bank : Pending_AA , all entries

                -- Output Parameters --

Format Options:                        File Options:
  Nucleic acid code matching   Exact     Indirect file              No
  Find non-matching hits only  No        Sequence or key file       No
  Report key used              Yes       List of hits               Yes
  Note position of hit         Yes       Hit display                Yes
  Display full annotations     Yes       Name and annotations       Yes
  Sequence context             10


                -- Run Parameters --

  Run mode                     Batch
    Time to start comparison   now
    Notify at end of run       No


No hits found.


                -- Search Statistics --

Times:                    CPU                 Total Elapsed
                     02:59:22.01              07:09:57.00

Number of sequences searched:            5767276
Number of sequence hits:                       0
Number of separate matches:                    0
Number of sequence hits saved:                 0
```

! FINDPATTERNS on pir:* allowing 0 mismatches

!   1
PCHPQFPRCY(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}
(A,D,E,T)DRX   May 14, 2003 12:04 ..

 Databases searched:
        NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

        Total finds: 0
       Total length: 96,134,422
    Total sequences: 283,224
          CPU time: 02:21.01

! FINDPATTERNS on swp:* allowing 0 mismatches

!   1
PCHPQFPRCY(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}
(A,D,E,T)DRX   .   May 14, 2003 11:57 ..

 Databases searched:
          SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002
          SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

       Total finds: 0
      Total length: 247,523,443
   Total sequences: 784,472
          CPU time: 06:32.98

```
> O <
O|  |O   IntelliGenetics
> O <

Quest - Quick User-directed Expression Search Tool
Release 5.4

                    -- Outline of search "pep5" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep5 (AA) ID    pep5 AA preliminary pattern
1       followed by
2         chpqfc
2         a or d or e or f or g or i or n or s or v from 0 to 1 times
2         a or d or e or h or i or l or m or q or s from 0 to 1 times
2         d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2         a or d or e or t
2         dr
2         any character

Selected data banks and files:

    Data bank : A-GeneSeq 35.2, all entries
    Data bank : Issued_AA , all entries
    Data bank : Pending_AA , all entries

                    -- Output Parameters --

Format Options:                      File Options:
  Nucleic acid code matching  Exact     Indirect file              No
  Find non-matching hits only No        Sequence or key file       No
  Report key used             Yes       List of hits               Yes
  Note position of hit        Yes       Hit display                Yes
  Display full annotations    Yes       Name and annotations       Yes
  Sequence context            10


                    -- Run Parameters --

  Run mode                   Batch
     Time to start comparison   now
     Notify at end of run       No


No hits found.


                    -- Search Statistics --

Times:                  CPU              Total Elapsed
                     02:58:50.03         07:42:50.00

Number of sequences searched:        5767276
Number of sequence hits:                   0
Number of separate matches:                0
Number of sequence hits saved:             0
```

! FINDPATTERNS on pir:* allowing 0 mismatches

! 1
CHPQFC(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D
,E,T)DRX   May 14, 2003 11:31 ..

Databases searched:
        NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

      Total finds: 0
      Total length: 96,134,422
   Total sequences: 283,224
         CPU time: 02:21.14

! FINDPATTERNS on swp:* allowing 0 mismatches

!   1
CHPQFC(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D
,E,T)DRX   May 14, 2003 11:51 ..

Databases searched:
      SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002
      SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

    Total finds: 0
    Total length: 247,523,443
  Total sequences: 784,472
      CPU time: 06:28.53

```
> O <
O|  |O  IntelliGenetics
> O <

Quest - Quick User-directed Expression Search Tool
Release 5.4

                -- Outline of search "pep6" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep6 (AA) ID    pep6 AA preliminary pattern
1       followed by
2         hpqf
2         a or d or e or f or g or i or n or s or v from 0 to 1 times
2         a or d or e or h or i or l or m or q or s from 0 to 1 times
2         d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2         a or d or e or t
2         dr
2         any character

Selected data banks and files:

    Data bank : A-GeneSeq 35.2, all entries
    Data bank : Issued_AA , all entries
    Data bank : Pending_AA , all entries

                -- Output Parameters --

Format Options:                        File Options:
  Nucleic acid code matching    Exact     Indirect file              No
  Find non-matching hits only   No        Sequence or key file       No
  Report key used               Yes       List of hits               Yes
  Note position of hit          Yes       Hit display                Yes
  Display full annotations      Yes       Name and annotations       Yes
  Sequence context              10


                -- Run Parameters --

  Run mode                      Batch
     Time to start comparison   now
     Notify at end of run       No


No hits found.


                -- Search Statistics --

Times:                  CPU              Total Elapsed
                     02:59:06.07         07:42:42.00

Number of sequences searched:          5767276
Number of sequence hits:                     0
Number of separate matches:                  0
Number of sequence hits saved:               0
```

! FINDPATTERNS on pir:* allowing 0 mismatches

!   1
HPQF(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E
,T)DRX   May 14, 2003 11:39 ..

  Databases searched:
        NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

      Total finds: 0
     Total length: 96,134,422
  Total sequences: 283,224
         CPU time: 02:22.14

! FINDPATTERNS on swp:* allowing 0 mismatches

!   1
HPQF(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E
,T)DRX   May 14, 2003 11:36 ..

Databases searched:
        SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002
        SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

    Total finds: 0
    Total length: 247,523,443
Total sequences: 784,472
      CPU time: 06:32.84

```
 > O <
O| |O  IntelliGenetics
 > O <

Quest - Quick User-directed Expression Search Tool
Release 5.4

                  -- Outline of search "pep7" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep7 (AA) ID    pep7 AA preliminary pattern
1        followed by
2          chpqfcswr
2          a or d or e or f or g or i or n or s or v from 0 to 1 times
2          a or d or e or h or i or l or m or q or s from 0 to 1 times
2          d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2          a or d or e or t
2          dr
2          any character

Selected data banks and files:

    Data bank : A-GeneSeq 35.2, all entries
    Data bank : Issued_AA , all entries
    Data bank : Pending_AA , all entries

                  -- Output Parameters --

Format Options:                      File Options:
  Nucleic acid code matching  Exact    Indirect file              No
  Find non-matching hits only No       Sequence or key file       No
  Report key used             Yes      List of hits               Yes
  Note position of hit        Yes      Hit display                Yes
  Display full annotations    Yes      Name and annotations       Yes
  Sequence context            10


                  -- Run Parameters --

  Run mode                    Batch
     Time to start comparison now
     Notify at end of run     No


No hits found.


                  -- Search Statistics --

Times:                  CPU              Total Elapsed
                   02:58:41.10           07:05:49.00

Number of sequences searched:            5767276
Number of sequence hits:                       0
Number of separate matches:                    0
Number of sequence hits saved:                 0
```

! FINDPATTERNS on pir:* allowing 0 mismatches

!   1
CHPQFCSWR(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(
A,D,E,T)DRX   May 14, 2003 11:42 ..

  Databases searched:
        NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

      Total finds: 0
     Total length: 96,134,422
  Total sequences: 283,224
        CPU time: 02:22.70

! FINDPATTERNS on swp:* allowing 0 mismatches

!   1
CHPQFCSWR(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(
A,D,E,T)DRX   May 14, 2003 11:43 ..

Databases searched:
        SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002
        SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

    Total finds: 0
   Total length: 247,523,443
Total sequences: 784,472
      CPU time: 06:27.95